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Dated: July 28, 2003

Signature

(Colby S. Delgado)

Docket No.: HO-P01862US0
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Marc Gonin

10/628145

Application No.: Unassigned

Group Art Unit: N/A

Filed: Filed herewith

Examiner: Not Yet Assigned

For: A MULTI-ANODE DETECTOR WITH
INCREASED DYNAMIC RANGE FOR TIME-
OF-FLIGHT MASS SPECTROMETERS WITH
COUNTING DATA ACQUISITION

PRELIMINARY AMENDMENT

MS Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

IN THE CLAIMS:

Please cancel all existing claims 1-29 of the parent application 09/720,182 and replace with the following new claims 1-10:

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1.

A time-of-flight mass spectrometer comprising:

an ion source that produces a primary beam of ionized particles;

transmission optics that focus said primary beam;

an extraction chamber that produces a secondary beam of ionized particles
from said primary beam;